

SHEET 1 OF 2

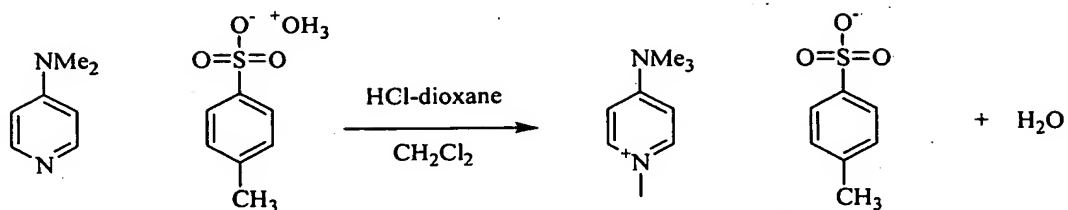


Figure 1: Synthesis of 4-(*N,N*-dimethylamino)pyridinium 4-toluenesulfonate

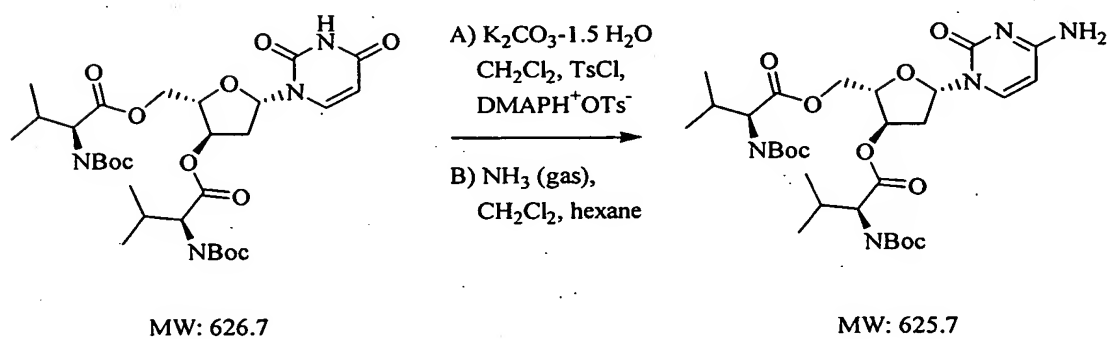


Figure 2: Synthesis of 3',5'-di-(Boc-L-valinyl)-L-2'-deoxycytidine

SHEET 2 OF 2

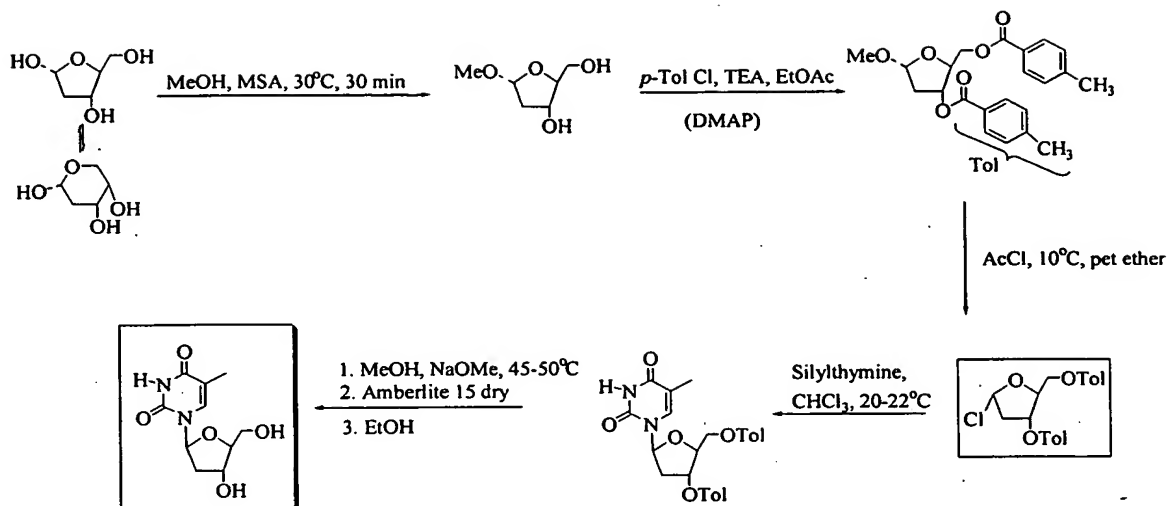


Figure 3: Synthesis of 1- α -chloro-3,5-di-O-toluoyl-2-deoxy-L-ribose and coupling with silylated thymine.

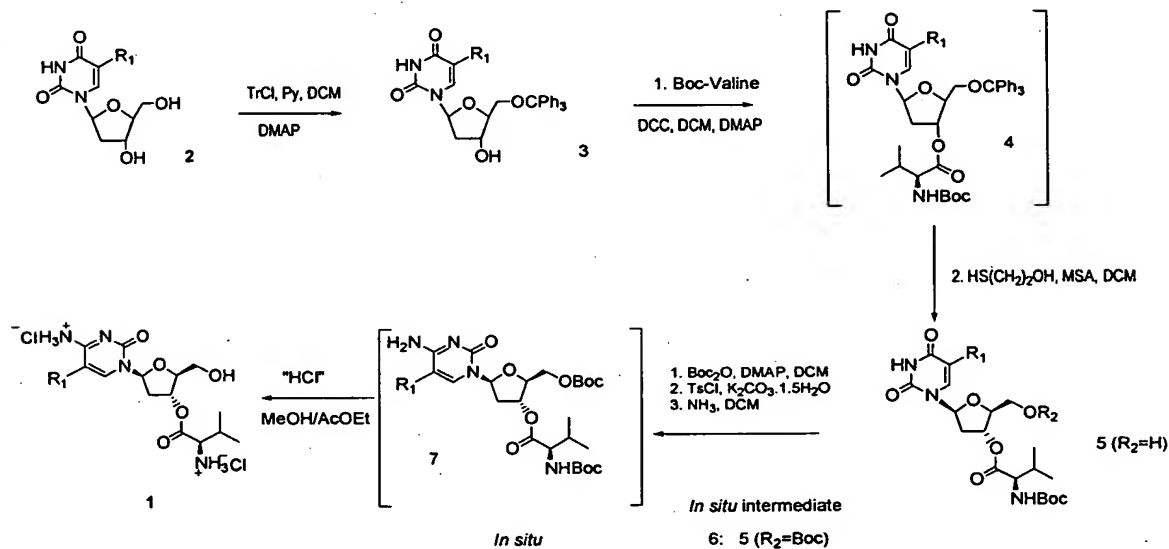


Figure 4: Synthesis of 3'-O-L-valyl-2'-deoxy- β -L-cytidine from 2'-deoxy- β -L-uridine